Gustavo do Amaral Valdiviesso

List of Publications by Year
in descending order

31 papers	1,557 citations	430874 18 h-index	477307 29 g-index
34 all docs	34 docs citations	34 times ranked	2908 citing authors

#	ARTICLE	IF	CITATIONS
1	Using hypothesis testing on the mass-transfer effect with sulfate removal as an application. Environmental Technology (United Kingdom), 2021, 42, 1-10.	2.2	0
2	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 322.	3.9	69
3	Supernova neutrino burst detection with the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 1.	3.9	62
4	Cosmic Ray Background Removal With Deep Neural Networks in SBND. Frontiers in Artificial Intelligence, 2021, 4, 649917.	3.4	4
5	Construction of precision wire readout planes for the Short-Baseline Near Detector (SBND). Journal of Instrumentation, 2020, 15, P06033-P06033.	1.2	8
6	Volume I. Introduction to DUNE. Journal of Instrumentation, 2020, 15, T08008-T08008.	1.2	168
7	First results on ProtoDUNE-SP liquid argon time projection chamber performance from a beam test at the CERN Neutrino Platform. Journal of Instrumentation, 2020, 15, P12004-P12004.	1.2	69
8	Long-baseline neutrino oscillation physics potential of the DUNE experiment. European Physical Journal C, 2020, 80, 1.	3.9	93
9	Volume IV. The DUNE far detector single-phase technology. Journal of Instrumentation, 2020, 15, T08010-T08010.	1.2	86
10	Volume III. DUNE far detector technical coordination. Journal of Instrumentation, 2020, 15, T08009-T08009.	1.2	25
11	Neutrino interaction classification with a convolutional neural network in the DUNE far detector. Physical Review D, 2020, 102, .	4.7	19
12	The Liquid Argon In A Testbeam (LArIAT) experiment. Journal of Instrumentation, 2020, 15, P04026-P04026.	1.2	16
13	How Does the Mass Transfer Restriction Change the Reactionâ€™s Kinetic Order for Acid Mine Drainage Treatment in an Anaerobic Bioreactor?. Lecture Notes in Civil Engineering, 2017, , 234-238.	0.4	0
14	Characterization of the spontaneous light emission of the PMTs used in the Double Chooz experiment. Journal of Instrumentation, 2016, 11, P08001-P08001.	1.2	6
15	Readout electronics validation and target detector assessment for the Neutrinos Angra experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 206-213.	1.6	4
16	Muon capture on light isotopes measured with the Double Chooz detector. Physical Review C, 2016, 93, .	2.9	8
17	Measurement of Î¸13 in Double Chooz using neutron captures on hydrogen with novel background rejection techniques. Journal of High Energy Physics, 2016, 2016, 1.	4.7	46
18	How much does the MSW effect contribute to the reactor antineutrino anomaly?. AIP Conference Proceedings, 2015, , .	0.4	0

#	Article	IF	Citations
19	Using Neutrinos to Monitor Nuclear Reactors: the Angra Neutrino Experiment, Simulation and Detector Status. Nuclear and Particle Physics Proceedings, 2015, 267-269, 108-115.	0.5	12
20	Constraining the violation of the equivalence principle with IceCube atmospheric neutrino data. Physical Review D, 2014, 89, .	4.7	19
21	Ortho-positronium observation in the Double Chooz experiment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
22	Improved measurements of the neutrino mixing angle Î¸13 with the Double Chooz detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	181
23	Precision muon reconstruction in Double Chooz. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 330-339.	1.6	9
24	Background-independent measurement of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" [illegible]	4.1	34
25	First measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î¸</mml:mi></mml:mrow><mml:mrow><mml:mn>13</mml:mn></mml:mrow>[illegible] from delayed neutron capture on hydrogen in the Double Chooz experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 66-70.	4.1	84
26	Direct measurement of backgrounds using reactor-off data in Double Chooz. Physical Review D, 2013, 87, .	4.7	21
27	First test of Lorentz violation with a reactor-based antineutrino experiment. Physical Review D, 2012, 86, .	4.7	41
28	Reactor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>disappea[illegible] in the Double Chooz experiment. Physical Review D, 2012, 86, .	4.7	275
29	Equivalence Principle from the Solar and Reactor Neutrino Observations. Nuclear Physics, Section B, Proceedings Supplements, 2012, 229-232, 452.	0.4	1
30	Probing new limits for the Violation of the Equivalence Principle in the solarâ€“reactor neutrino sector as a next to leading order effect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 240-247.	4.1	4
31	First protonâ€“proton collisions at the LHC as observed withÂtheÂALICE detector: measurement of the charged-particle pseudorapidity density at $sqrt{s}=900$ ÂGeV. European Physical Journal C, 2010, 65, 111-125.	3.9	124